

TOUCH PANEL SYSTEM AND METHOD FOR DISTINGUISHING MULTIPLE TOUCH INPUTS

Abstract of the Disclosure

5 Touch panel systems and methods are disclosed that can distinguish
temporally overlapping touch inputs from single touch inputs so that valid touch
position coordinates can be determined. Touch panel systems and methods of the
present invention can distinguish overlapping touches by comparing signal
magnitudes to specified thresholds, by comparing the rates of change of signal
10 magnitudes or measured positions to determined parameters, by locating the
proximity a calculated location to icons or other such active areas, and the like.
Because touch panel systems and methods of the present invention can
discriminate single touches from double touches, they can be used in multiple
user applications such as multiplayer games as well as in applications that may be
15 subject to rapidly successive or overlapping touch inputs.